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2004 DAWN PATROL CALENDAR PULL-OUT
OWNER / OPERATOR PREVENTIVE MAINTAINANCE (PART II)
COMMISSION ACTION & ACCIDENT REPORTS



COMMISSION ACTION

The Michigan Aeronautics Commission met in Lansing on January 28 and March 25, 2004. Included in action items at the two meetings were the approval of airport improvement projects across the state. Some projects have federal, state, and local funding, while others are funded from state and/or local sources alone. Commission approval for federally funded projects authorizes state participation, subject to issuance of a federal grant. Federal and state dollars for airport development are primarily from restricted, user generated funds. The primary sources of revenue are aviation fuel and passenger taxes, as well as aircraft registration fees. Following are the approved projects:

January 28, 2004 Meeting

BATTLE CREEK

W. K. Kellogg Airport

\$47,500 for design work for a future project to resurface Runway 13/31. \$45,125 federal, \$1,187 state, and \$1,188 local.

BIG RAPIDS

Roben-Hood Airport

\$103,000 for an environmental assessment, an easement, and obstruction clearing. \$92,700 federal, \$5,150 state, and \$5,150 local.

CHARLEVOIX

Charlevoix Municipal Airport

\$1,052,632 for the construction of taxiways. \$1,000,000 federal, \$26,316 state, and \$26,316 local.

DETROIT

Grosse Ile Municipal Airport

\$491,229 to rehabilitate various taxiways. \$450,000 federal, \$20,614 state, and \$20,615 local.

FLINT

Bishop International Airport

\$2,950,000 for phase-two of a master plan update and engineering work for a perimeter road. \$2,802,500 federal, \$73,750 state, and \$73,750 local.

GAYLORD

Otsego County Airport

\$157,895 for an environmental assessment, design work for the extension and rehabilitation of Runway 18/36, and an airport layout plan update. \$150,000 federal, \$3,947 state, and \$3,948 local.

GRAND RAPIDS

Gerald R. Ford International Airport

\$5,225,000 for taxiway reconstruction and a master plan update. \$4,163,750 federal, \$867,467 state, and \$193,783 local.

HOLLAND

Tulip City Airport

\$63,000 for wetland mitigation. \$56,700 federal, \$3,150 state, and \$3,150 local.

HOWELL

Livingston County Airport

\$225,000 for design work for the relocation of Runway 13/31. \$202,500 federal, \$11,250 state, and \$11,250 local.

IRONWOOD

Gogebic-Iron County Airport

\$300,000 for security fencing. \$270,000 federal, \$15,000 state, and \$15,000 local.

Gogebic-Iron County Airport

\$110,000 for construction of a parking lot. \$99,000 state and \$11,000 local.

JACKSON

Jackson County - Reynolds Field

\$57,000 for the second phase of an environmental assessment. \$51,300 federal, \$2,850 state, and \$2,850 local.

KALAMAZOO

Kalamazoo/Battle Creek

International Airport

\$4,033,298 for de-icing facilities, taxiway construction, and site development for a new terminal building. \$2,136,098 federal, \$79,100 state, and \$1,818,100 local.

LANSING

Capital City Airport

\$2,776,123 for terminal building modifications necessary to accommodate explosive detection equipment and for land acquisition in the Runway 6/24 runway protection zone. \$2,636,923 federal, \$69,600 state, and \$69,600 local.

MANISTIQUE

Schoolcraft County Airport

\$226,795 to rehabilitate Runway 10/28 lighting and design work for partial rehabilitation of Runway 1/19. \$212,010 federal, \$7,392 state, and \$7,393 local.

MUSKEGON

Muskegon County Airport

\$1,052,632 for runway safety area improvements, animal control fencing, and for engineering work and land acquisition for the extension of Runway 14/32. \$1,000,000 federal, \$26,316 state, and \$26,316 local.

POINTE AUX PINS

Bois Blanc Island Airport

\$80,000 for engineering and land acquisition to extend and pave Runway 10/28. \$72,000 state and \$8,000 local.

ROGERS CITY

Presque Isle County Airport

\$157,895 for security fencing, land acquisition, approach clearing, and a supplemental windcone. \$150,000 federal, \$3,947 state, and \$3,948 local.

SAGINAW

MBS International Airport

\$2,367,632 to expand the terminal building, rehabilitate security fencing, airfield marking, crack sealing, and improve the flight information display. \$2,249,250 federal, \$59,191 state, and \$59,191 local.

SAULT STE. MARIE

Sanderson Airport

\$400,000 for design and construction of hangars and aprons. \$360,000 state and \$40,000 local.

ST. IGNACE

Mackinac County Airport

\$175,000 for the design and construction of paved shoulders for Runway 7/27. \$163,955 federal, \$5,522 state, and \$5,523 local.

STATEWIDE

Various Airports

\$120,000 for airport rescue and firefighting training. \$80,000 state and \$40,000 local.

STURGIS

Kirsch Municipal Airport

\$1,636,500 to rehabilitate Runway 18/36 and for wetland delineation. \$1,540,508 federal, \$47,994 state, and \$47,998 local.

TRAVERSE CITY

Cherry Capital Airport

\$2,000,000 for acquisition of snow removal equipment and a rescue vehicle and for runway safety area improvements. \$1,900,000 federal, \$50,000 state, and \$50,000 local.

March 25, 2004 Meeting

ADRIAN

Lenawee County Airport

\$600,000 for land acquisition. \$570,000 federal, \$15,000 state, and \$15,000 local.

ALLEGAN

Padgham Field

\$25,000 for design work for the extension of Runway 10/28. \$23,750 federal, \$625 state, and \$625 local.

BAD AXE

Huron County Memorial Airport

\$385,000 for the rehabilitation of Runway 3/21. \$358,916 federal, \$13,041 state, and \$13,043 local.

BENTON HARBOR

Southwest Michigan Regional Airport

\$157,895 for design work for wetland mitigation. \$150,000 federal, \$3,947 state, and \$3,948 local.

CHARLEVOIX

Charlevoix Municipal Airport

\$1,084,211 for apron expansion and site preparation for a snow removal equipment building and hangars. \$1,030,000 federal, \$27,105 state, and \$27,106 local.

CLARE

Clare Municipal Airport

\$388,604 for runway rehabilitation and for site preparation for construction of new hangars. \$357,638 federal, \$15,482 state, and \$15,484 local.

DETROIT

Detroit Metro Wayne County Airport

\$46,341,204 for ongoing airport improvements, residential sound insulation, and a federal noise study. \$35,835,964 federal and \$10,504,240 local.

Grosse Ile Municipal Airport

\$2,100,000 to rehabilitate Runway 4/22. \$1,978,332 federal, \$60,832 state, and \$60,836 local.

FLINT

Bishop International Airport

\$1,000,000 for the second phase of a perimeter security system. \$950,000 federal, \$25,000 state, and \$25,000 local.

FREMONT

Fremont Municipal Airport

\$70,000 for electric utility relocation. \$66,500 federal, \$1,750 state, and \$1,750 local.

GRAND HAVEN

Grand Haven Memorial Airpark

\$429,000 for rehabilitate the parallel taxiways to Runways 18/36 and 9/27 and for approach clearing. \$328,050 federal, \$79,784 state, and \$21,166 local.

HANCOCK

Houghton County Memorial Airport

\$820,000 for sanitary sewer system improvements, design work for installation of taxiway lights, and the third phase of construction of a perimeter road and security fencing. \$772,226 federal, \$23,941 state, and \$23,943 local.

HARBOR SPRINGS

Harbor Springs Municipal Airport

\$700,000 for design and construction of a parallel taxiway, rehabilitation and widening of existing taxiway, and for taxiway lighting. \$630,000 state and \$70,000 local.

HART/SHELBY

Oceana County Airport

\$110,000 for an airport layout plan update and construction of taxistreeets. \$99,000 state and \$11,000 local.

HASTINGS

Hastings City/Barry County Airport

\$180,700 for an airport layout plan update and fence construction. \$162,630 federal, \$9,035 state, and \$9,035 local.

HOLLAND

Tulip City Airport

\$2,360,000 for construction of a Runway 8/26 and parallel taxiway extension, runway safety area grading, installation of various lighting systems, and relocation of the localizer antenna. \$2,124,000 federal, \$118,000 state, and \$118,000 local.

HOWELL

Livingston County Airport

\$1,224,000 for hangar site preparation. \$1,101,600 federal, \$61,200 state, and \$61,200 local.

IONIA

Ionia County Airport

\$162,412 for construction of taxiways and for hangar site preparation. \$154,065 federal, \$4,173 state, and \$4,173 local.

MACKINAC ISLAND

Mackinac Island Airport

\$157,895 for apron expansion and lighting, runway pavement testing, and runway safety area upgrades. \$150,000 federal and \$7,895 state.

MARSHALL

Brooks Field

\$261,000 for construction of taxiway lights and an airport beacon. \$240,716 federal, \$10,141 state, and \$10,143 local.

MIDLAND

Jack Barstow Airport

\$324,562 for taxistreet rehabilitation and drainage improvements. \$300,000 federal, \$12,280 state, and \$12,282 local.

MT. PLEASANT

Mt. Pleasant Municipal Airport

\$157,895 for apron rehabilitation. \$150,000 federal, \$3,947 state, and \$3,948 local.

NEWBERRY

Luce County Airport

\$169,000 to rehabilitate runway and approach light systems. \$152,100 federal, \$8,450 state, and \$8,450 local.

NILES

Jerry Tyler Memorial Airport

\$349,200 for design and construction of a snow removal equipment building and taxistreeets. \$322,174 federal, \$13,512 state, and \$13,514 local.

ONTONAGON

Ontonagon County Airport

\$157,895 to construct a taxistreet, rehabilitate runway edges, and to acquire a snow-plow truck. \$150,000 federal, \$3,947 state, and \$3,948 local.

PELLSTON

Pellston Regional Airport

\$4,736,842 to rehabilitate and expand the terminal apron, drainage improvements, fencing, parking lot expansion, and snow removal equipment. \$4,500,000 federal, \$118,421 state, and \$118,421 local.

PLYMOUTH

Plymouth-Mettetal Airport

\$264,706 for runway safety area improvements, fencing, and to pave an aircraft tie-down area. \$246,130 federal, \$9,287 state, and \$9,289 local.

POINTE AUX-PINS

Bois Blanc Island

\$990,000 to extend, widen, and pave Runway 10/28 and to relocate Lime Kiln Pt. Road. \$891,000 state and \$99,000 local.

PONTIAC

Oakland Pontiac International Airport

\$50,000 for an environmental assessment. \$47,500 federal, \$1,250 state, and \$1,250 local.

PORT HURON

St. Clair County International Airport

\$920,000 for runway, windcone, and segmented circle rehabilitation. \$420,000 federal, \$440,175 state, and \$59,825 local.

COMMISSION ACTION

Continued on page 8.

OWNER / OPERATOR PREVENTIVE MAINTENANCE (PART II)

•• By Kevin High, Assistant Professor, Western Michigan University
and Jeremy Hierholzer, Assistant Professor, Southern Illinois University

An article by the authors in a previous issue of Michigan Aviation (Vol. 36 No. 2) discussed aircraft owner/operator preventive maintenance. The article defined preventive maintenance and discussed what maintenance privileges the Federal Aviation Administration (FAA) grants an aircraft owner or operator. This is a follow-up article with tips and advice for those planning to perform preventive maintenance on their aircraft.

Preparation and planning are the biggest factors in successfully completing maintenance on an aircraft. The worst nightmare for anyone doing their own maintenance is getting halfway through a job and not being able to finish. The most common obstacles tend to be lack of experience, inadequate reference materials, improper work environment, and lack of tools. The following information should help in planning your work and avoiding common problems.

Experience

One way to gain experience is to observe or work with people that have previous experience performing maintenance on their aircraft. It's important to remember that not everyone follows the rules exactly, so do this at your own risk.

Another method of gaining experience is going to seminars and workshops. The Experimental Aircraft Association (EAA) offers several workshops on building and maintaining homebuilt aircraft through their "SportAir" organization. The skills learned in these workshops would transfer to working on a certified aircraft.

Many mechanics and Fixed Base Operation (FBO) owners will allow aircraft owners to assist during an annual or 100-hour inspection. This is a great way to get experience and may even reduce the cost of the inspection.

Reference materials

Having the proper reference materials available is a requirement when performing any maintenance. The best way to stay legal and safe is to stick with publications that are produced by the FAA or the manufacturer of the aircraft, engine, or appliance.

Aircraft manufacturers publish an aircraft maintenance manual for their aircraft. The maintenance manual provides detailed information for completing maintenance on a particular model aircraft. This should be the first reference for an owner when performing preventive maintenance. Before starting any maintenance, read the procedure in the maintenance manual and make sure that you understand it.

Another required manual is the aircraft illustrated parts catalog. This publication is also provided by the aircraft manufacturer. It lists approved parts for an aircraft. When replacing parts, you must refer to the parts catalog to assure that you are installing a part approved for use in your aircraft.

There are several FAA publications available to assist in maintaining aircraft. The one that every owner should have is Advisory Circular (AC) 43.13-1B/2A. Section 1B is entitled Acceptable Methods, Techniques, and Practices – Aircraft Inspection and Repair. In this section are several examples of surface repairs from fabric to sheet metal. Also, there is a section on hardware selection and the use of safety wire and cotter pins. Section 2A is entitled Acceptable Methods, Techniques, and Practices – Aircraft Alterations. Section 2A is much shorter than 1B but has useful information such as selection and installation of skis. The key to remember is to follow the FAA guidelines for preventive maintenance and that AC 43.13 is not approved for major repairs or major alterations.

Other recommended FAA publications to help an owner understand how an airplane works are the FAA technician's handbooks. They are AC65-9A General Guide, AC65-15A Airframe Guide, and AC65-12A Powerplant Guide.

You should be able to find or order these publications at your local FBO. They are also available over the Internet or through your favorite aviation mail order catalog. Once you have the required reference material, use it and have it available whenever you are performing maintenance on your aircraft.

Work environment

The proper work environment can make all the difference in successfully completing maintenance on your aircraft. If the airplane is hangared, that's a good start. A good mechanic must have adequate lighting, and clean and available floor space. For lighting, choose incandescent bulbs instead of fluorescent bulbs. Also, have portable shop lights and flashlights for close-up inspecting. Make sure the work area around the airplane is clear and free of dirt and debris. If you are working on an item removed from the aircraft, have a clean workbench to perform any operations.

Tools

One good thing about preventive maintenance on aircraft is that it requires only basic hand tools for most procedures. That rare instance where a special tool is needed can catch everyone off guard. The best way to determine if any special tools are needed is to read the maintenance manual *prior* to performing the work.

Personal Minimums

As aircraft owners and operators, you know the importance of using a checklist every time you fly. A checklist can also be used when performing maintenance. The FAA has published a Personal Minimums checklist for Aircraft Maintenance Technicians to follow before and after every maintenance task. This same checklist can be a useful tool to determine that you are ready to start working on your airplane. The checklist is as follows:



BEFORE THE TASK:

- ☐ Do I have the knowledge to perform the task?
- ☐ Do I have the technical data to perform the task?
- ☐ Have I performed the task previously?
- ☐ Do I have the proper tools and equipment to perform the task?
- ☐ Have I had the proper training to support the task?
- ☐ Am I mentally prepared to perform the task?
- ☐ Am I physically prepared to perform the task?
- ☐ Have I taken the proper safety precautions to perform the task?
- ☐ Do I have the resources available to perform the task?
- ☐ Have I researched the FAR's to ensure compliance?

AFTER THE TASK:

- ☐ Did I perform the job to the best of my abilities?
- ☐ Was the job task performed to be equal to the original?
- ☐ Was the job task performed in accordance with the appropriate data?
- ☐ Did I use all the methods, techniques, and practices acceptable to the industry?
- ☐ Did I perform the job task without pressures, stress, and distractions?
- ☐ Did I reinspect my work or have someone inspect my work before return to service?
- ☐ Did I make the proper record entries for the work performed?
- ☐ Did I perform the operational checks after the work was completed?
- ☐ Am I willing to sign on the bottom line for the work performed?
- ☐ Am I willing to fly in the aircraft once it is approved for return for service?

Note: This check list can be accessed at http://www2.faa.gov/fsdo/awsp/p_min.html

Use of a checklist like this helps in the planning and completing the work. It will also help to avoid mistakes. One thing you might add to the list is "Did I ask for help if I needed it?" If you get into something and find out that it is over your head, get help.

Editor's note: The following list of work defined as preventive maintenance is excerpted from Part 1 of the authors' article. For the complete list and exact wording refer to CFR 14 Part 43 Appendix A.

1. Removal, installation, and repair of landing gear tires.
2. Replacing elastic shock absorber cords on landing gear.
3. Servicing landing gear shock struts by adding oil, air, or both.
4. Servicing landing gear wheel bearings, such as cleaning and greasing.
5. Replacing defective safety wiring or cotter keys.
6. Lubrication not requiring disassembly other than removal of nonstructural items such as cover plates, cowlings, and fairings.
7. Making simple fabric patches not requiring rib stitching or the removal of structural parts or control surfaces.
8. Replenishing hydraulic fluid in the hydraulic reservoir.
9. Refinishing decorative coating excluding balanced control surfaces.
10. Applying preservative or protective material to components where such coating is not prohibited or is not contrary to good practices.
11. Repairing upholstery and decorative furnishings of the cabin or cockpit.
12. Making small simple repairs to fairings, nonstructural cover plates, cowlings, and small patches and reinforcements not changing the contour so it will interfere with proper air flow.
13. Replacing side windows.
14. Replacing safety belts.
15. Replacing seats or seat parts with replacement parts approved for the aircraft.
16. Troubleshooting and repairing broken circuits in landing light wiring circuits.
17. Replacing bulbs, reflectors, and lenses of position and landing lights.
18. Replacing wheels and skis not requiring weight and balance computation.
19. Replacing any cowling not requiring removal of the propeller or disconnection of flight controls.
20. Replacing or cleaning spark plugs and setting of spark plug gap clearance.
21. Replacing any hose connection except hydraulic connections.
22. Replacing prefabricated fuel lines.
23. Cleaning or replacing fuel and oil strainers or filter elements.
24. Replacing and servicing batteries.
25. Replacement of nonstructural standard fasteners incidental to operations.
26. Installation of anti-misfueling devices to reduce the diameter of fuel tank filler openings provided the specific device has been made part of the aircraft type certificate data by the aircraft manufacturer, the aircraft manufacturer has provided FAA-approved instructions for the installation of the specific device, and installation does not involve the disassembly of the existing filler tank opening.
27. Removing, checking, and replacing magnetic chip detectors.
28. Inspection and maintenance tasks prescribed and specifically identified as preventive maintenance in a primary aircraft Type Certificate or STC holder's special inspection or preventive maintenance program.
29. Removing and replacing self-contained, front instrument panel-mounted navigation and communication devices that connect the unit when the unit is installed into the instruments. The approved unit must be designed to be readily and repeatedly removed and replaced, and pertinent instructions must be provided (check regulations for applicability). Must perform operational check.
30. Updating self-contained front instrument panel-mounted ATC navigational software data bases provided no disassembly of the unit is required and pertinent instructions are provided. Must perform operational check.

Summary

When performing preventive maintenance on your aircraft, advance planning will make the task go more smoothly. Make sure you have the proper reference material available. Review and understand the procedure before you start working. By reviewing the procedure in advance, you can make sure that you have the proper location, tooling, and equipment to successfully complete the work. Using a personal minimums check list helps to assure that you have complied with the FAA's requirements and completed the work correctly and safely. And, don't forget to ask for help if you need it. Happy wrenching and stay safe!

References:

Federal Aviation Administration, http://www2.faa.gov/fsdo/awsp/p_min.html, nd

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AVIATION IN-FORMATION

The National Transportation Safety Board has released preliminary aviation accident statistics for 2003 showing an increase in several civil aviation categories, including scheduled airliners, air taxis, and general aviation. The total number of U.S. civil aviation accidents rose from 1,820 in 2002 to 1,864 in 2003. There were a total of 695 fatalities in all aviation accidents in 2003. The majority of these fatalities occurred in general aviation and air taxi operations. There were 351 fatal general aviation accidents, up from 345 the year before. Total general aviation accidents increased from 1,713 in 2002 to 1,732 in 2003. The accident rate remained relatively unchanged from 6.69 in 2002 to 6.71 in 2003 per 100,000 flight hours. There were three fatal accidents involving scheduled passenger service last year: a Beech 1900 operated by Air Midwest crashed on takeoff at Charlotte, North Carolina, and a Northwest Airlines DC-9 aircraft fatally injured a tug operator in Norfolk, Virginia. These two accidents, operating under 14 CFR Part 121, resulted in 22 fatalities. A third accident involving a 14 CFR Part 135 flight in the Bahamas, resulted in 2 fatalities. Air taxis reported 77 accidents in 2003, which shows an increase from 59 in 2002. The total fatalities also increased from 35 to 45. The accident rate rose from 2.03 per 100,000 flight hours in 2002 to 2.61 in 2003.

On March 19, 2004, the Experimental Aircraft Association's 1903 Wright *Flyer* was installed as the centerpiece of the "Heroes of the Sky" exhibit at The Henry Ford Museum in Dearborn. Edsel Ford II of Ford Motor Company presented museum president Steve Hamp with the same airworthiness certificate that EAA President Tom Poberezny transferred to Ford at the national Centennial of Flight celebration last December in Kill Devil Hills, North Carolina. The airplane's installment fulfills Henry Ford's dream, which he expressed in a 1943 letter to Orville Wright: *"We are still hoping that one day the plane with which you originated this great new course of history will come home to the United States. I think you know how warmly and reverently we would welcome it to a shrine at Dearborn..."*

Western Michigan University College of Aviation is forming an Aviation Education Consortium with five historically black colleges from around the nation. The consortium will work to diversify the aviation industry work force and expand opportunities for minority students and women. Delaware State University, Florida Memorial College, Hampton University, Tennessee State

University, Texas Southern University, and WMU are the charter collegiate members of the organization. Other consortium members are the Organization of Black Airline Pilots, Inc. and Tuskegee Airmen, Inc., which will serve the consortium in an advisory capacity.

The aim of the new organization is to use the resources and expertise of all consortium members to identify and support minority individuals who have an interest in pursuing an aviation career and establish a strategy and process for taking such individuals seamlessly "from ninth grade to the airline industry door." To accomplish their goals, the consortium will use a variety of tools, including faculty and student mentoring, exchange programs between consortium members, establishment of aviation student fellowships and coordination among members' academic program resources and delivery systems.

Tony Dennis, director of student services for the college, says consortium members will work to improve minority and female representation among aeronautical and electrical engineers, pilots and navigators, aviation maintenance technicians, aviation electronics and computer science engineers, air traffic controllers, flight instructors and airline management personnel.

In 2001, according to the Federal Aviation Administration, only 4.9 percent of commercial aviation pilots were women and only 1.7 percent of aircraft mechanic jobs were held by females. The most recent data available on the ethnic diversity of the industry was compiled in 1990. At that time, less than 2 percent of commercial pilots were African American and less than 3 percent were of Hispanic origin.

The Federal Aviation Administration has quietly launched a new web site (<http://www.faa.gov/aircraft/default.aspx>) where pilots can establish an account with the agency's Airman Certification Branch. Among the services available to account holders is the ability to submit a change of address, order a replacement airman certificate, and have a temporary authorization sent via fax or e-mail in cases of lost certificates. Additionally, registration also provides the opportunity to receive notices of FAA safety meetings via e-mail.

Michigan Air Service Update - As the airline industry continues to steadily recover from a two and one half year slump, Michigan airports with scheduled passenger service are benefiting from this gradual turnaround.

Flint, Bishop International Airport - With rapid growth fueled by low-cost carrier AirTran Airways, Flint passengers increased by 31 percent in 2003. Among hub airports, Flint is now the second fastest growing airport in the nation.

Pellston Regional Airport - Two years ago, all flights were operated with turboprops on shared routings with another airport. The result was relatively stagnant passenger growth. However, with the 2002 reintroduction of daily jet service, passenger numbers have shown strong growth. Notably, all flights are now decoupled from other airports meaning all seats are available for travelers originating out of Pellston. 2004, year-to-date passenger totals have skyrocketed 23 percent.

Detroit Metro Airport - Benefiting from the improved convenience and aesthetics of the new McNamara Terminal, Detroit Metro has become one of the highest rated airports in the world based on passenger satisfaction. The survey, conducted by J.D. Power and Associates, ranked it fourth in the nation and sixth worldwide in the large airport category.

Muskegon County Airport - As a result of a combined grant from the Michigan Bureau of Aeronautics and the United States Department of Transportation, jet service has returned to the airport for the first time in 25 years. On June 10th, Northwest Airlink is to begin daily service with Canadair Regional Jets.

Lansing, Capital City Airport - The successful service to Las Vegas by Allegiant Air has led to increased passenger traffic at Lansing. Low fares paired with nonstop service have enabled the airline to capture an increasing percentage of the region's leisure travelers. Year-to-date passenger totals have grown by more than 15 percent.

Ford Airport, Iron Mountain; Manistee/Blacker; and Ironwood, Gogebic County Airports - Since the commencement of service by Midwest Connect to their Milwaukee hub, growth at these three airports has been very strong. Year-to-date, passenger totals have climbed 44 percent, 28 percent, and 50 percent respectively.

Chippewa County International - Benefiting from a spacious new terminal building, the airport has experienced exceptional passenger growth of nearly 27 percent to date in 2004.



ACCIDENT REPORTS

The following accidents have been selected from Federal Aviation Administration and National Transportation Safety Board reports. Michigan Aviation does not attest to the accuracy of the reports, nor do we determine the cause of accidents.

September 7, 2003, at 1800 eastern daylight time, a rented Cessna 172G received substantial damage on impact with trees and terrain during initial climb from runway 28 at Greenville Municipal Airport (6O6), Greenville, Michigan. Visual meteorological conditions prevailed at the time of the accident. The 14 CFR (Code of Federal Regulations) Part 91 personal flight was not operating on a flight plan. The private rated pilot and three passengers reported no injuries. The local flight was originating at the time of the accident.

September 25, 2003, at about 1645 eastern daylight time, a Cessna 152, piloted by a private pilot, was destroyed when it impacted trees and terrain after takeoff from a private airstrip near Three Oaks, Michigan. The personal flight was operating under 14 CFR Part 91. Visual meteorological conditions prevailed at the time of the accident. No flight plan was on file. The flight was originating at the time of the accident. The airplane was found about 200 feet east of a northbound runway at a private airstrip. The wreckage was located at the base of a tree. At 1654, the recorded South Bend Regional Airport, near South Bend, Indiana, weather was: Wind 290 degrees at 9 knots, variable between 250 and 310 degrees; visibility 10 statute miles; sky condition few 3,800 feet; temperature 13 degrees C; dew point 4 degrees C; altimeter 30.07 inches of mercury.

October 18, 2003, at 1245 eastern daylight time, a Schweizer 269C helicopter, collided with the water while maneuvering over Lake Copeconic, in Fenton, Michigan. The private rated helicopter pilot was fatally injured and the passenger sustained serious injuries. The 14 CFR Part 91 personal flight was operating in visual meteorological conditions without a flight plan. The flight reportedly departed from Price's Airport, Linden, Michigan.

October 22, 2003, at 1400 eastern daylight time, an Enstrom F-28C helicopter, piloted by a flight instructor and student pilot, sustained minor damage when a tail rotor control cable broke while on final approach at the Dupont-Lapeer Airport (D95), Lapeer, Michigan. The flight instructor reported that the helicopter abruptly yawed to the left at approximately 200 feet above ground level. He reported

entering an auto-rotation and executed a run-on landing without further damage to the aircraft. The local instructional flight was being conducted under 14 CFR Part 91 and was not on a flight plan. Visual meteorological conditions prevailed at the time of the incident. There were no reported injuries.

October 26, 2003, at approximately 1430 eastern standard time, a Schweizer 269C helicopter, piloted by a flight instructor and student pilot, was substantially damaged during a hard landing following a loss of engine power and subsequent autorotation. The accident occurred approximately one-half mile southwest of the Ann Arbor Municipal Airport (ARB), Ann Arbor, Michigan. The instructional flight was being operated under the provisions of 14 CFR Part 91 and was not on a flight plan. Visual meteorological conditions prevailed at the time of the accident. There were no reported injuries.

November 1, 2003, at 1559 eastern standard time, an amateur-built Master BD5B airplane, piloted by a private pilot, was destroyed when it impacted terrain during landing approach at the Cherry Capital Airport, Traverse City, Michigan. The airplane came to rest about 1,000 feet short of runway 36. The 14 CFR Part 91 personal flight was operating in visual meteorological conditions without a flight plan. The pilot was fatally injured. The exact time of origin of the local flight has not been determined.

December 3, 2003, at 1033 eastern standard time, a Cessna 152, piloted by a certified flight instructor (CFI), sustained substantial damage during an in-flight collision with terrain and trees while performing a forced landing near Pontiac, Michigan. The pilot reported a loss of engine power while on a three mile final for runway 27L at Oakland Pontiac International Airport (PTK). Visual meteorological conditions prevailed at the time of the accident. The instructional flight was operating under the provisions of 14 CFR Part 91 without a flight plan. The CFI reported not being injured and his dual-student sustained minor injuries. The flight departed Macomb Airport (57D), New Haven, Michigan, at 1018.

December 22, 2003, at 1806 eastern standard time, a Sikorsky S-58JT helicopter, piloted by a commercial pilot, was destroyed when it impacted light poles during landing at the Willow Run Airport, Ypsilanti, Michigan. The 14 CFR Part 135 flight was cleared to land at the United States Customs Service ramp. The flight was operating in night visual meteorological conditions on a visual flight rules flight plan. The pilot and passenger received minor injuries. The flight originated from the Windsor International Airport, Ontario, Canada at 1745.

January 17, 2004, at 1110 eastern daylight time, a Cessna 310R, collided with a snow bank following a loss of directional control while landing on runway 4 at the St. Clair County Airport, Port Huron, Michigan. The pilot and passenger were not injured. The airplane sustained substantial damage. The 14 CFR Part 91 personal flight was operating in instrument meteorological conditions on an instrument flight rules flight plan. The flight originated in Albany, New York, at 0840. The pilot stated during the landing there was almost no traction between the airplane and the runway. The airplane slid off the left side of the runway where it contacted the snow bank.

February 27, 2004, at 1415 eastern standard time, an Aero Commander 112, collided with a snow bank following a loss of directional control while landing on runway 6 at the Jackson County - Reynolds Airport (JXN), Jackson, Michigan. The certified flight instructor, student pilot, and a passenger on board were not injured. The airplane was substantially damaged. The 14 CFR Part 91 instructional flight was operating in visual meteorological conditions without a flight plan. The last departure during the flight was from the Mount Pleasant Municipal Airport (MOP), Mount Pleasant, Michigan, at approximately 1300.

COMMISSION ACTION Continued from page 3.

SOUTH HAVEN

South Haven Area Regional Airport
\$970,000 to extend Runway 4/22 including parallel taxiway. \$873,000 state and \$97,000 local.

South Haven Area Regional Airport
\$280,000 for various runway lighting improvements associated with the runway extension project. \$252,583 federal, \$13,707 state, and \$13,710 local.

SPARTA

Paul C. Miller-Sparta Airport
\$80,000 for taxiway construction.
\$72,000 state and \$8,000 local.

STURGIS

Kirsch Municipal Airport
\$639,100 to widen Runway 18/36 including construction of runway lights, a precision approach path indicator, and runway end identifier lights. \$575,190 state and \$63,910 local.

WHITE CLOUD

White Cloud Airport
\$30,000 for consultant fees for land acquisition.
\$28,500 federal, \$750 state, and \$750 local.

UPCOMING AERONAUTICS COMMISSION MEETINGS

All 2004 meetings begin at 10:00 a.m. and will be held in Lansing at the Michigan Department of Transportation, Aeronautics building at Capital City Airport.

● May 26, 2004 ● July 28, 2004

● Sept. 29, 2004 ● Nov. 17, 2004

For additional information about these meetings, or other commission business, please contact Barbara Burris at burrisba@michigan.gov or 517-335-9943. Individuals needing special assistance to attend these meetings may contact the commission office.

Jennifer Granholm, Governor MICHIGAN AERONAUTICS COMMISSION

Sidney Adams, Jr., Chair - Battle Creek
Dean Greenblatt, Vice Chair - White Lake
Lowell E. Kraft, Pigeon
Eric V. Smith, Northville
Terry Everman, Flushing

Gloria Jeff, Director
Michigan Department of Transportation

Capt. John Ort
Michigan State Police

Brigadier General Kencil Heaton
Michigan Department of Military Affairs

Mindy Koch
Michigan Department of Natural Resources

Rob Abent, Director
Michigan Aeronautics Commission

Barbara Burris
Executive Assistant to the Commission

Thomas Krashen - Editor

Randy Debler - Graphic Designer



● Rob Abent, Director
Michigan Aeronautics Commission

Michigan Aeronautics Commission Director, Rob Abent, was recently honored by Michigan State University as the 2004 Distinguished Alumnus for the Program in Public Policy and Administration. This award was in recognition of a distinguished career and for exemplary public-sector service, providing a worthy example for the program's students and graduates. Aeronautics staff and Commission members join in offering Rob their most sincere congratulations.



OFFICIAL PUBLICATION, MDOT Multi-Modal Transportation Services Bureau
2700 E. Airport Service Drive Lansing, Michigan 48906-2160 / Telephone: 517-335-9283

PRSRTD STD

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Lansing, Michigan
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2004 Dawn Patrol Calendar

MAY

- 2 Benton Harbor:
Southwestern Michigan
Regional Airport (BEH)
Blossom Time Fly-In/Drive-In Pancake
Breakfast. Sponsored by EAA 585 & Tail-
dragger Flying Club. Call: 269-468-5530.
- 2 Fremont:
Fremont Municipal Airport (3FM)
3rd Annual "Blessing of the Planes"
Fly-In. Food from 11:00 a.m.-1:00 p.m.
Blessing the Airplane Service
at 1:30 p.m. Sponsored by EAA 578.
Call: 231-689-5447 or 231-689-6746.
Email: gunsmith@ncats.net.
- 8 Midland:
Jack Barstow Airport (3BS)
7:00 -11:00 a.m. AEC Center Pancake
Fly-In/Drive-In Spring Breakfast. Rain or
shine. Sponsored by EAA 1093.
Call: 989-631-4852.
- 9 Napoleon:
Napoleon Airport (3NP)
7:30 -11:00 a.m. Napoleon Lions Club
Fly-In Mother's Day Breakfast.
Sponsored by the Napoleon Lions Club.
Call: 517-536-4476.
- 15 Parchment:
Triple H Airport (2H4)
Noon Fly-In/Drive-In Potluck Lunch.
Meat, drinks, and table service provided.
Lunch at noon. Coffee and donuts for
early arrivals. Sponsored by Triple H
Airport. Call: 269-385-1836.
Email: love2fly@chartermi.net.
Web site: www.love2fly.us.
- 16 Port Huron:
St. Clair Co. Int'l Airport (PHN)
8:00 a.m. - Noon. Fly-In/Drive-In Pancake
Breakfast. Sponsored by EAA Chapter
979. Call: 810-985-4918.
Email: PHNmike@yahoo.com.
- 16 Eastport:
Torchport Airpark (59M)
7:00 -11:00 a.m. Annual Dawn Patrol Pan-
cake Breakfast Fly-In/Drive-In. Sponsored
by Torchport Airpark. Call: 800-613-8311.
Email: torchportairpark@torchport.com
Web site: www.torchport.com.

- 22 Pontiac:
Oakland County Int'l Airport (PTK)
9:00 a.m. -3:00 p.m. Rain date: May 23rd.
Young Eagles Rally Fly-In with hot dog
lunch from 10:00 a.m.- 2:00 p.m. Spon-
sored by EAA 1413. Call: 248-265-3442.
Email: ken.jordan@eds.com.
- 22 Flushing:
Dalton Airport (3DA)
6:30 p.m. Spring Fly-In/Drive-In Dance.
Spring Hangar-Hop Lindy Style dance
with spaghetti dinner and dance lessons.
Lessons at 6:30 p.m. with dinner at 7:30
p.m. and dancing from 8:00 - 11:00 p.m.
\$20/person with advance tickets only.
Sponsored by EAA 77. Call: 810-742-
8710. Email: jds@usol.com.
- 22 Troy:
Oakland/Troy Airport (7D2)
9:00 -11:00 a.m. Metroline FBO
Fly-In/Drive-In Pancake Breakfast.
Sponsored by Eximious Flying Club &
Metroline FBO. Call: 248-626-2747.
- 23 Mt. Pleasant:
Mt. Pleasant Airport (MOP)
7:00 -11:00 a.m. Fly-In/Drive-In Pancake
Breakfast. Sponsored by EAA 907.
Call: 989-944-1188.
- 29 Chesaning:
Howard Nixon Memorial Airport (50G)
Noon - 4:00 p.m. Chesaning Airport
"Brats & Dogs" Fly-In in conjunction with
Chesaning Antique Festival and Attic Sale.
Sponsored by EAA Chapter 597.
Call: 517-845-2149.
- 30 Lake City:
Home Acres Sky Ranch (Y91)
7:00 - 11:00 a.m. 42nd Annual Dawn
Patrol Pancake Breakfast. Rain or shine.
Sponsored by Home Acres Sky Ranch
Pilots. Call: 231-839-3307

or 248-524-2355.

- 30 Jackson:
Jackson Co. Reynolds Field (JXN),
Sport Aviation Center
7:00 -11:00 a.m. 36th Annual Fly-In/Drive-
In Breakfast. Sponsored by EAA 304.
Call: 517-784-1419 or 517-783-3988.
Email: mac1412@modempool.com or
earub@modempool.com.

JUNE

- 5 Muskegon:
Muskegon Co. Airport (MKG)
8:00 a.m.- Noon. 9th Annual CareAffaire-
Muskegon Pancake Breakfast Fund-raiser
for "Wings of Mercy." Warbird displays
with T-34 Formation Team and warbird
rides available. Sponsored by Executive
Air Transport and Muskegon Host Lions
Club. Call: 231-798-2126.
- 6 Coldwater:
Branch Co. Memorial Airport (OEB)
8:00 a.m. - Noon. 58th Annual Fly-In/
Drive-In Pancake Breakfast. Special avia-
tion door prizes for pilots in command.
Sponsored by Flying Club of Branch
County. Call: 517-278-8348.
- 6 Houghton Lake:
Roscommon Co. Airport (HTL)
7:00 a.m. Dawn Patrol Pancake Breakfast.
Sponsored by Roscommon Co. Area
Pilots Association & Blodgett Aviation.
Call: 989-366-7660.
- 6 St. Ignace:
Mackinac Co. Airport (83D)
Noon - 4:00 p.m. 12th Annual Steak
Cookout. Sponsored by EAA 560 & Great
Lakes Air, Inc. Call: 231-627-6409.
- 6 Alma:
Gratiot Community Airport (AMN)
7:00 -11:00 a.m. Dawn Patrol Pancake
Breakfast Prizes given away for registered
pilots. Sponsored by EAA 134 & North-

alendar

ern Air Service. Call 989-463-3656. Email: darylkoeh@nethawk.com.

- 12 Drummond Island:
Drummond Island Airport (Y66)
7:00 – 11:00 a.m. Dawn Patrol Pancake Breakfast. Sponsored by Drummond Island Lions Club. Call: 906-493-5864.
- 13 Hart-Shelby:
Oceana Co. Airport (C04)
7:00 a.m. - Noon. Fly-In/Drive-In open house for new terminal building. Sponsored by Avfuel. Call: 231-861-5807.
- 13 Mason:
Mason Jewett Field (TEW)
7:00 – 11:00 a.m. Dawn Patrol Pancake Breakfast. Sponsored by EAA 55.
Call: 517-694-4601.
- 13 Flushing:
Dalton Airport (3DA)
7:00 -11:30 a.m. 17th Annual Dawn Patrol Breakfast. In conjunction with Flushing Festival Days. Sponsored by EAA 77.
Call: 810-659-0253.
Email: hoppyflies@comcast.net.
- 13 Ionia:
Ionia Co. Airport (Y70)
7:00 a.m. Dawn Patrol Fly-In in conjunction with Classy Chassis Classic Car show, glider and airplane rides. Sponsored by Benz Aviation & Classy Chassis. Call: 616-527-9070.
Email: opsmgr@biz.ionia.com.
- 13 Ann Arbor:
Ann Arbor Municipal Airport (ARB)
8:00 a.m. - Noon. Fly-In/Drive-In Pancake Breakfast. Homebuilts, classics, antiques, and warbirds. Sponsored by EAA 333.
Call: 734-429-2992 or 734-429-4787.
Email: Planelance@aol.com.
- 19 Holland:
Tulip City Airport (BIV)
8:00 a.m. - Noon. CareAffaire-Holland Pancake Breakfast Fund-raiser for "Wings of

Mercy." Airplane and warbird rides available. Sponsored by Macatawa Bank.
Call: 616-392-7831.

- 19 Howell:
Livingston Co. Airport (OZW)
Great Lakes Fly-In. Hands-on workshops, seminars, etc.
For more information go to www.greatlakesflyin.org.
Call: 517-545-8891.
- 19 Holland:
Park Township Airport (HLM)
7:00 a.m. – 4:00 p.m. 2nd Annual Powered Parachute Fly-In with breakfast from 7:00 -11:00 a.m. No rain day scheduled. Sponsored by New Heights Powered Parachutes and EAA 1242.
Call: 616-399-6158 or 616-399-9333.
Email: aerobaticmom@earthlink.net.
- 19 West Branch:
West Branch Community Airport (Y31)
7:00 a.m.-3:00 p.m. West Branch Aviation Day Dawn Patrol Fly-In Breakfast & Hotdog Lunch. Warbird displays, candy drop, and radio control airplane demos. Sponsored by Ernie Thompson EAA 1253.
Call: 989-345-1453 or 989-345-3717.
- 19 Hancock:
Houghton Co. Memorial Airport (CMX)
10:00 a.m. – 4:00 p.m. Dawn Patrol Pancake Breakfast in conjunction with Young Eagles Day Fly-In. Transportation to the Bridgefest and Seafood Celebrations: parade, car show, jet ski races, bike races, etc. Sponsored by EAA 1270.
Call: 906-337-1633. Email: dmckenzie@portagehealth.org.
- 19 Lapeer:
Dupont-Lapeer Airport (D95)
Noon – 4:00 p.m. 3rd Annual Helicopters ONLY Fly-In. A gathering of Helicopters for those who fly and love them. Sponsored by Helicopters Only. Call: 810-653-2542.
- 20 Plymouth:
Plymouth-Mettetal Airport (1D2)
7:00 a.m. - Noon. 43rd Annual Father's Day Pancake Breakfast. Airplane and helicopter rides, static displays. Sponsored by EAA 113.
Call: 734-462-1176.
- 20 White Cloud:
White Cloud Airport (42C)
7:00 - 11:30 a.m. 31st Annual Father's Day Fly-In/Drive-In Breakfast Buffet. Fly in and see our new runway, lights, lighted windsock, taxiway & ramp area. Sponsored by White Cloud Aviation, Inc.
Call: 616-689-6126 or 231-689-5891.
- 20 Charlotte:
Fitch H. Beach Municipal Airport (FPK)
7:00 a.m. - Noon. Father's Day Dawn Patrol Breakfast. Sponsored by Charlotte Aviation and Charlotte Lions Club.
Call: 517-543-5300.
- 20 Three Rivers:
Dr. Haines Airport (HAI)
7:00 a.m. - Noon. Father's Day Dawn Patrol Fly-In/Drive-In Breakfast. Plane and powered parachute rides, static displays, etc. Sponsored by Three Rivers Pilots Association. Call: 269-278-5745 or 269-273-8041. Email: jschauer@net-link.net.
- 20 Bay City:
James Clements Airport (3CM)
7:00 a.m. - Noon. Dawn Patrol Fly-In/Drive-In Airport Open House with airplane/biplane rides. Breakfast served by the world famous Krzysiak House Restaurant. Sponsored by Valley Aero Club & Krzysiak House Restaurant. Call: 989-879-5945. Email: Hottuna@CenturyTel.net.
- 20 Bad Axe:

2004 Dawn Patrol Calendar

Huron Co. Memorial Airport (BAX)
7:00 a.m. - Noon. 57th Annual Pancake
Breakfast Fly-In/Drive-In. Sponsored by
Huron Aviation Club. Call: 989-269-6511.

JUNE

- 26 Allegan:
Padgham Field (35D)
7:00 a.m. - 3:00 p.m. Allegan Area Pilots
Association Fly-In Classic Car Show and
Harley Bike Show. Lunch baskets and
additional food booths on site. Sponsored
by Dodgen Aircraft & Allegan Area Pilots
Association. Call: 616-673-4157.
Web site: www.dodgenaircraft.com.
- 26 Gaylord:
Otsego Co. Airport (GLR)
7:00 a.m. - Noon. Annual Pancake
Breakfast Fly-In/Drive-In. Young Eagles
flights plus, for anyone 75 or older, "old
buzzard" flights. Sponsored by EAA 1095.
Call: 989-939-8715.
- 26 Marquette:
Sawyer Airport
Continental breakfast and safety
seminars: 8:00 - 11:00 a.m. 8th Annual
Fly-In/Drive-In. 3rd Annual Sawyer Avia-
tion Expo starts at 11:00 a.m.-5:00 p.m.
Sponsored by Boreal Aviation, Inc.
Call: 906-346-5802 or 800-676-5153.
Email: boreal2000@aol.com.
- 27 Sandusky:
Sandusky City Airport (Y83)
7:00 - 11:30 a.m. Fly-In/Drive-In breakfast
in conjunction with Thumb Festival.
Sponsored by Sandusky Flying Club.
Call: 810-359-5910.
- 27 Niles:
Jerry Tyler Memorial Airport (3TR)
7:00 a.m. - Noon. 18th Annual Fly-In
Breakfast. Young Eagles Rally will be held
in the afternoon. Sponsored by EAA 865.
Call: 269-684-0972.
- 27 Sandusky:
Sandusky City Airport (Y83)
7:00 - 11:30 a.m. Fly-In/Drive-In break-
fast in conjunction with Thumb Festival.
Sponsored by Sandusky Flying Club.
Call: 810-414-3009.
- 27 Hillsdale:
Hillsdale Municipal Airport (Y85)
7:00 - 11:30 a.m. Dawn Patrol Fly-In/
Drive-In. Car Club display, airplane and

helicopter rides, campers welcome.
Sponsored by Hillsdale Aero & Hillsdale
Exchange Club. Call: 517-437-4755.
Email: flyguy1@voyager.net.

- 27 Carson City/Crystal:
Mayes Airport (47G)
7:00 - 11:00 a.m. Pancake & Sausage
Breakfast Fly-In. Sponsored by
Crystal Chamber of Commerce.
Call: 989-584-3515.
Email: adm@carsoncitymi.

JULY

- 3 Houghton Lake:
Lake State Airport (5Y2)
10:00 a.m. - 6:00 p.m. 2nd annual BRAT
cookout. Planes, antique cars, trucks,
model airplanes, and static displays.
Fireworks display on field after dark.
Sponsored by the EAA 1259.
Call: 989-366-1206.
Email: champeau@iserv.net.
- 3-4 Watervliet:
Watervliet Municipal Airport (40C)
Steak Fry on Saturday with pancake
breakfast on Sunday. Sleep under the
wing on Saturday night. Steak Fry 11:00
a.m.- 4:00 p.m. with evening campfire.
Breakfast 7:00 a.m. - Noon. Sponsored by
EAA 585. Call: 269-468-5530.
- 3 Clare:
Clare Municipal Airport (48D)
7:30 - 11:00 a.m. Clare Muni Fry Fly-In.
In conjunction with Clare SummerFest
Days. Sponsored by Clare Area Pilot's
Association. Call: 517-368-0445.
Email: dacker007@hotmail.com.
- 3 Gaylord:
Lakes of the North (4Y4)
7:00 - 11:00 a.m. Lakes of the North 12th
Annual Fly-In/Drive-In Breakfast. Trophies
and door prizes for pilots and aircraft.
Sponsored by Lakes of the North Airport.
Call: 231-585-6479 or 231-585-6076.
- 11 Hastings:
Hastings Airport (9D9)
7:00 - 11:00 a.m. Dawn Patrol Pancake
Breakfast. Helicopter and airplane rides
and static displays. Car & Gold Wings
show. Sponsored by Hastings Flying
Association. Call: 269-948-9100.
- 11 Chesaning:
Howard Nixon Memorial Airport (50G)
6:30 - 11:30 a.m. Dawn Patrol Pancake
Breakfast in conjunction with Chesaning

Showboat Parade (starts at 1:30 p.m.).
Overnight camping encouraged. Avgas
not available. Sponsored by Chesaning
Sports Plane Association & EAA 597.
Call: 517-845-2149.

- 17 Grand Marais:
Grand Marais Airport (Y98)
10:00 a.m. - 3:00 p.m. Annual
Fly-In/Drive-In pig roast. Pig roast starts
at 12:30 p.m. Raffle with merchant prizes.
Sponsored by Grand Marais Airport.
Call: 906-494-2381.
- 18 East Tawas:
Iosco Co. Airport (6D9)
7:00 - Noon. 14th Annual Dawn Patrol
Fly-In Pancake Breakfast in conjunction
with Summerfest with a classic car & boat
show. Sponsored by Iosco Flying Club and
Iosco Co. Airport. Call: 989-362-5832.
- 18 Sparta:
Paul C. Miller Airport (8D4)
7:30-11:30 a.m. Dawn Patrol Pancake
Breakfast with tractor pull and lawn
mower races starting at noon. Radio
control airplanes airshow on Saturday
the 17th. Sponsored by EAA 704 & Sparta
Lions Club. Call: 616-887-5744.

AUGUST

- 8 Lapeer:
Dupont-Lapeer Airport (D95)
8:00 - 10:30 a.m. Fly-In/Drive-In
Pancake Breakfast. Young Eagles Flights.
Sponsored by EAA 1303 & Lapeer
Aviation. Call: 810-664-6966.
Email: tripacer03c@tir.com.
- 14 Cadillac:
Wexford Co. Airport (CAD)
7:00 - 11:00 a.m. Fly-In/Drive-In
Breakfast. Sponsored by EAA 678.
Call: 231-779-8113.
- 14 Eastport:
Torchport Airpark (59M)
Saturday night steak dinner
5:00 - 7:00 p.m. & breakfast
7:00 - 11:00 a.m. Saturday Night
Steak Fry. Overnight camping with
Sunday Morning Pancake Breakfast.
Sponsored by Torchport Airpark &
EAA 234. Call: 800-613-8311. Email:
torchportairpark@torchport.com
Web site: www.torchport.com.

- 14 Grand Haven:
Memorial Airpark (3GM)
Noon. Steak Fry Fly-In/Drive-In.
Rain date August 15th. Sponsored
by B & B Aviation and Grand Haven
Aviation Club. Call: 616-842-4430.
- 15 Fremont:
Fremont Municipal Airport (3FM)
7:00 a.m. - Noon. Fly-In Pancake
Breakfast. Ultralights welcome. All
you can eat. Sponsored by EAA 578.
Call: 231-689-5447 or 231-689-6746.
Email: gunsmith@ncats.net.
- 15 Mason:
Mason Jewett Field (TEW)
Noon - 5:00 p.m. Steak Fry Fly-In/
Drive-In. Sponsored by EAA 55.
Call 517-694-4601.
- 15 Pontiac:
Oakland County Int'l Airport (PTK)
(next to terminal building)
Airport Open House/Fly-In Pancake
Breakfast. Open house: 10:00 a.m.- 4:00
p.m. Pancake breakfast: 7:00 - 11:00 a.m.
Plane and helicopter rides. Sponsored by
Oakland Co. Int'l Airport & EAA 1413.
Call: 248-666-3900.
Email: ocia@co.oakland.mi.us.
Web: http://www.co.oakland.mi.us/aviation/news/2004oh_pr.html.
- 15 Oscoda:
Oscoda - Wurtsmith Airport (OSC)
7:00 - 11:00 a.m. 11th Annual Dawn
Patrol Pancake Breakfast. Sponsored by
Wurtsmith Division, Yankee Air Force.
Call: 989-362-5740.
- 15 South Haven:
South Haven Regional Airport (OD1)
7:00 a.m. - Noon. South Haven Area
Regional Airport and Rotary Club Dawn
Patrol Fly-In, Breakfast in conjunction
with the South Haven Blueberry Festival.
Sponsored by South Haven Rotary
Club & South Haven Regional Airport.
Call: 269-637-7343.
Email: runway@i2k.com.
- 15 Saginaw:
Harry Browne
International Airport (HYX)
8:00 a.m. - Noon. 3rd Annual Ken Pol
Dawn Patrol Pancake Fly-In/Drive-In
Breakfast. Sponsored by Saginaw Valley
Division of the Yankee Air Force. Call:
989-797-6123.
Email: tomjillstevens@aol.com.
- 21 Holland:
Park Township Airport (HLM)
7:00 a.m. - 4:00 p.m. Annual Fly-In/Drive-

In Pancake Breakfast. Young Eagle rides,
Discovery flights, Make Take and Fly,
Timeless Voices of Aviation, and rib build-
ing workshop. Sponsored by EAA 1242.
Call: 616-399-9333.
Email: aerobaticmom@earthlink.net.

- 21 Northport:
Woolsey Memorial Airport (5D5)
8:00 a.m. - Noon.
Northport Pilots Association 16th
Annual Fly-In Breakfast. Military static
displays and Northport Community
Band. Sponsored by Northport Pilot
Association. Call: 231-386-7541.
Email: houghan@traverse.net.
- 22 Sandusky:
Sandusky City Airport (Y83)
7:00 - 11:30 a.m. World Famous Fly-In
Breakfast. Church service at 8:00 a.m.
in the hangar. Sponsored by Sandusky
Flying Club. Call: 810-414-3009.
- 22 Howell:
Livingston Co. Airport (OZW)
Fly-In/Drive-In Pancake Breakfast. Visit
the Howell Melon Festival both Saturday
& Sunday. Sponsored by EAA 1056.
Call: 517-223-8735.

SEPTEMBER

- 11 Thompsonville:
Thompsonville Airport (7Y2)
11:00 a.m. - 2:00 p.m. Chili and Brats
Fly-In/Drive-In. Sponsored by Thompson-
ville Airport. Call: 231-276-9094.
Email: Shipman@gtii.com.
- 11 Flushing:
Dalton Airport (3DA)
6:30 p.m. 4th Annual USO Hangar Dance
Fly-In/Drive-In. Live Swing Band with DJ
fill-in, plus steak dinner. Dance lessons at
6:30 p.m. with dinner at 7:30 p.m. and
dancing from 8:00 - 11:00 p.m. Advance
tickets only. Sponsored by EAA 77.
Call: 810-742-8710. Email: jds@usol.com.
- 11 Troy:
Oakland/Troy Airport (7D2)

Breakfast 8:00 -11:00 a.m., lunch
11:00 a.m.-2:00 p.m. Mustang Aeronau-
tics Open House. (Midget Mustang &
Mustang II Fly-In). Sponsored by Mustang
Aeronautics & EAA 1413. Call: 248-265-
3442. Web: www.MustangAero.com.
Email: ken.jordan@eds.com.

- 11 Grand Rapids:
Gerald R. Ford Int'l Airport (GRR)
Northern Jet Management
8:00 a.m. - Noon. CareAffaire-Grand
Rapids Pancake Breakfast Fund raiser for
"Wings of Mercy." Airplane and warbird
rides available. Sponsored by Huntington
Bank. Call: 616-336-4711.
- 12 Fowlerville:
Maple Grove Airport (65G)
7:00 - 11:00 a.m. 55th Fly-In Anniversary.
Sunday breakfast, rain or shine, camping
Friday & Saturday nights. Sponsored by
the Fowlerville Rotary. Call: 517-223-
7809. Email: dennisb@cac.net.
- 18 Parchment:
Triple H Airport (2H4)
Noon. Fly-In Lunch Potluck Lunch. Rain
or shine. Please bring a dish to pass. We
provide meat, drinks, and table service.
Coffee and donuts for early arrivals.
Sponsored by Triple H Airport.
Call: 616-385-1836.
Email: love2fly@chartermi.net.
Web: www.love2fly.us.
- 25 Dowagiac:
Dowagiac Municipal Airport (C91)
7:00 - 11:00 a.m. Dawn Patrol Pancake
Fly-In/Drive-In in conjunction with
Antique Tractor & Car Show. Sponsored
by EAA 1028. Call: 269-782-6111.
- 26 Owosso:
Owosso Community Airport (5D3)
8:00 -11:00 a.m. Fall Frolic Dawn Patrol
Breakfast. Sponsored by Owosso Airport
Association. Call: 989-725-1969.
- 26 St. Clair:
St. Clair Co. Int'l Airport (PHN)
9:00 a.m. - 4:00 p.m. Airport Apprecia-
tion Day. Antique car, boat, and airplane
show and Young Eagles rides. Sponsored
by St. Clair Co. Int'l Airport, EAA, and
Friends of the Airport.
Call: 810-364-6890.

OCTOBER

- 9 Romeo:
Romeo State Airport (D98)
7:00 a.m. - Noon. Fly-In/Drive-In
Pancake Breakfast in conjunction with the
Boy Scout Jamboree plus much more at
the midway. Sponsored by EAA 13.